



IFW

03068.001000

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

*In re Application of:*

ERNESTO JULIO CALVO ET AL.

Appln. No.: 10/775,086  
Filed: February 11, 2004

For: **METHOD OF USING INTRINSICALLY  
CONDUCTIVE POLYMERS WITH INHERENT  
LUBRICATING PROPERTIES, AND A  
COMPOSITION HAVING AN INTRINSICALLY  
CONDUCTIVE POLYMER, FOR PROTECTING  
METAL SURFACES FROM GALLING AND  
CORROSION**

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: Examiner: Unassigned  
) Group Art Unit:  
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: May 25, 2004  
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MS: Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed Form PTO-1449. This application corresponds to co-pending U.S. application 10/682,520 (03068.001400) filed October 10, 2003.

The Examiner's attention is directed to the co-pending U.S. application,  
copy enclosed, as follows:

<u>Appln. No.</u>	<u>Inventors</u>	<u>Filing Date</u>	<u>Atty. Dkt.</u>
10/682,520	D. Dell'Erba G. Carcagno	10/10/03	03068.001400

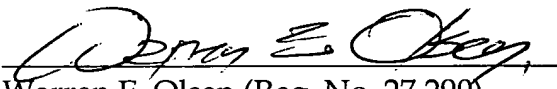
Please note that the priority application for that co-pending application,  
RM2002A00512, was published as WO 2004/033951 A1 on April 22, 2004 and is  
included herein.

#### CONCLUSION


It is respectfully requested that the above information be considered by  
the Examiner, and that a copy of the enclosed Form PTO-1449 be returned indicating  
that such information has been considered. No fee is required.

Applicants' undersigned attorney may be reached in our Washington,  
DC office by telephone at (202) 530-1010. All correspondence should now be directed  
to our below-listed address.

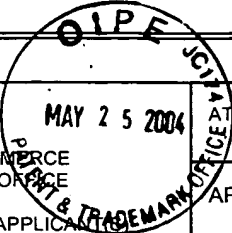
Respectfully submitted,

  
By: Warren E. Olsen (Reg. No. 27,290)

Attachment: PTO-1449  
FITZPATRICK, CELLA, HARPER & SCINTO  
**Customer No.: 05514**  
30 Rockefeller Plaza  
New York, New York 10112-3801  
Facsimile: (212) 218-2200  
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Sheet 1 of 2				FORM PTO 1449 (modified)		ATTY DOCKET NO. 03068.001000		APPLN. NO. 10/775,086	
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				APPLICANT <b>ERNESTO JULIO CALVO ET AL.</b>					
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)				FILING DATE <b>FEBRUARY 11, 2004</b>				GROUP	
Date Submitted to PTO: <b>MAY 25, 2004</b>									
U.S. PATENT DOCUMENTS									
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
	A	6,679,526	01/20/04	YAMAMOTO ET AL.	285	55			
	B	6,500,544	12/31/02	TIITU ET AL.	428	413			
	C	6,027,145	02/22/00	TSURU ET AL.	285	94			
	D	5,980,723	11/09/99	RUNGE-MARCHESE ET AL.	205	316			
	E	5,567,355	10/22/96	WESSLING ET AL.	252	500			
	F	5,519,111	05/21/96	MACDIARMID ET AL.	528	422			
	G	5,407,590	04/18/95	SALVIA	252	12			
	H	4,692,988	09/15/87	SHULVER ET AL.	29	458			
	I	4,630,849	12/23/86	FUKUI ET AL.	285	55			
	J	4,414,247	11/08/83	HÜBECKER ET AL.	427	230			
	K	2002/0114940	08/22/02	CLEMENS ET AL.	428	318.4			
	L	2003/0144158	07/31/03	PETELOT	508	318			
	M	2002/0197468	12/26/02	SINKO	428	336			
	N	2002/0166770	11/14/02	KIMPEL ET AL.	204	478			
FOREIGN PATENT DOCUMENTS									
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT		
	O	520538	04/02/82	AU	F16B	33/06	YES		
	P	WO 01/16516	03/08/01	PCT	F16L	15/04	YES		
	Q	1,258,513	11/20/02	EP	C09D	179/02	YES		
	R	WO 02/18522	03/07/02	PCT	C10M	169/00	YES		
	S	1,218,100	06/02/99	CN	C10M	103/06	YES		
	T	2004/033951	04/22/04	PCT	F16L	58/18	YES		
EXAMINER					DATE CONSIDERED				

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 2 of 2		
FORM PTO 1449 (modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)	 ATTY DOCKET NO. <b>03068.001000</b>	APPLN. NO. <b>10/775,086</b>
APPLICANT <b>ERNESTO JULIO CALVO ET AL.</b>		
Date Submitted to PTO: <b>MAY 25, 2004</b>	FILING DATE <b>FEBRUARY 11, 2004</b>	GROUP
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)		
U	DEBERRY, "MODIFICATION OF THE ELECTROCHEMICAL AND CORROSION BEHAVIOR OF STAINLESS STEELS WITH AN ELECTROACTIVE COATING", JOURNAL OF THE ELECTROCHEMICAL SOCIETY, 132(5), 1985, pp. 1022-1026.	
V	GASPARAC ET AL., "INVESTIGATIONS OF THE MECHANISM OF CORROSION INHIBITION BY POLYANILINE", JOURNAL OF THE ELECTROCHEMICAL SOCIETY, 148(4), 2001, pp. B138-B145.	
W	WESSLING, B., "SCIENTIFIC AND COMMERCIAL BREAKTHROUGH FOR ORGANIC METALS", SYNTHETIC METALS 85 (1997), pp. 1313-1318.	
X	LU ET AL., "CORROSION PROTECTION OF MILD STEEL BY COATINGS CONTAINING POLYANILINE", SYNTHETIC METALS, 71 (1995), pp. 2163-2166.	
Y	CAMALET ET AL., "ELECTRODEPOSITION OF PROTECTIVE POLYANILINE FILMS ON MILD STEEL", JOURNAL OF ELECTROANALYTICAL CHEMISTRY, 416 (1996), pp. 179-182.	
Z	RAJAGOPALAN ET AL., "PRETREATMENT AND COATING OF LOW CARBON STEEL USING CONSTANT POTENTIAL ELECTROCHEMICAL PROCESS", and "CORROSION PERFORMANCE OF POLYANILINE - POLYPYRROLE COMPOSITE COATINGS APPLIED TO LOW CARBON STEEL", SURFACE ENGINEERING 18 (1), 2002, pp. 53-63.	
AA	KRALJIC ET AL., "INHIBITION OF STEEL CORROSION BY POLYANILINE COATINGS", CORROSION SCIENCE 45 (2003), pp. 181-198.	
BB	PONZIO ET AL., "REMOVAL OF N-METHYLPYRROLIDONE HYDROGENBONDED TO POLYANILINE FREE-STANDING FILMS BY PROTONATION-DEPROTONATION CYCLES OR THERMAL HEATING", POLYMER INTERNATIONAL 50 (2001) pp. 1180-1185.	
CC	CAO ET AL., "INFLUENCE OF CHEMICAL POLYMERIZATION CONDITIONS ON THE PROPERTIES OF POLYANILINE", POLYMER, VOL. 30, (1989), pp. 2305-2311.	
DD	STEJSKAL ET AL., "IN-SITU POLYMERIZED POLYANILINE FILMS", SYNTHETIC METALS, 105 (1999), pp. 195-202.	
EE	SUN ET AL., "CHEMICAL POLYMERIZATION OF ANILINE WITH HYDROGEN PEROXIDE AS OXIDANT", SYNTHETIC METALS 84 (1997), pp. 99-100.	
FF	MATTOSO ET AL., "CONTROLLED SYNTHESIS OF HIGH MOLECULAR WEIGHT POLYANILINE AND POLY (O-METHOXYANILINE)", SYNTHETIC METALS, 68 (1994), pp. 1-11.	
GG	SINGH ET AL., "TRANSPORT AND STRUCTURAL PROPERTIES OF POLYANILINE DOPED WITH MONOVALENT AND MULTIVALENT IONS", POLYMER, VOL. 38, NO. 19 (1997), pp. 4897-4902.	
HH	GENIES ET AL., "POLYANILINE: A HISTORICAL SURVEY", SYNTHETIC METALS, 36 (1990), pp. 139-182.	
II	STEJSKAL ET AL., "POLYANILINE. PREPARATION OF A CONDUCTING POLYMER", PURE APPLIED CHEMISTRY, VOL. 74, NO. 5 (2002), pp. 857-867.	
JJ	YUE ET AL., "EFFECT OF SULFONIC ACID GROUP ON POLYANILINE BACKBONE", JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 113 (1991), pp. 2665-2671.	
KK	HWANG ET AL., "STRUCTURES AND PROPERTIES OF THE SOLUBLE POLYANILINES, N-ALKYLATED EMERALDINE BASES", SYNTHETIC METALS 92 (1998) pp. 39-46.	
LL	SALAVAGIONE ET AL., "SYNTHESIS OF A SELF-DOPED POLYANILINE BY NUCLEOPHILIC ADDITION", ACTA POLYM. 50 (1999), pp. 40-44.	
EXAMINER		DATE CONSIDERED